Abstract

The invention relates to a method for the production of ceramic coatings on metallic and/or ceramic surfaces, especially pipe walls and the linings of pipe wall in boilers, in order to protect coated surfaces from corrosion and adhesion problems, in addition to relating to coatings which can be produced according to said method. The ceramic coatings are characterised in that the coating contains boron nitride in order to form a low-energy surface, and ceramic nanoparticles as temperature-stable binding agents which, on account of their high specific powder surfaces, act as binders, or alternatively glass-type binder systems based on metal organyl compounds.